

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Cancelled).

Claim 2 (Currently Amended): A gas port assembly according to claim +24, wherein assembly is arranged such that the peak operating voltage is greater than about 2 kV.

Claim 3 (Currently Amended): A gas port assembly according to claim +24, wherein at least three dielectric members and at least two metallic members are provided.

Claim 4 (Currently Amended): A gas port assembly according claim +24, wherein the gas pathways are arranged relative to one another such that the gases follow a pre-defined path through the assembly.

Claim 5 (Currently Amended): A gas port assembly according to claim +24, wherein the dielectric members are arranged as discs, each having a number of ducts within them so as to provide the gas pathways, wherein for each disc, the ducts are positioned at locations which are dissimilar to those within an adjacent disc within the stack.

Claim 6 (Original): A gas port assembly according to claim 5, wherein the diameter of each duct is about 2 mm or less.

Claim 7 (Currently Amended): A gas port assembly according to claim +5, wherein the width to height aspect ratio of ~~the holes~~ the ducts through the dielectric members lies in the range 0.2 to 1.0.

Claim 8 (Currently Amended): A gas port assembly according to claim +24, wherein the dielectric members are formed from a ceramic or plastics material.

Claim 9 (Previously Presented): A gas port assembly according to claim 8, wherein the dielectric members are formed from PTFE.

Claim 10 (Currently Amended): A gas port assembly according to claim ~~1~~24, wherein the electrically conductive members are formed as gauzes or meshes.

Claim 11 (Currently Amended): A gas port assembly according to claim 9, wherein the ~~metallic members~~ electrically conductive members are formed from a corrosion resistant alloy.

Claim 12 (Previously Presented): A gas port assembly according claim 10, wherein the gauzes or meshes are arranged to act as particle filters.

Claim 13 (Currently Amended): A gas port assembly according to claim ~~1~~24, wherein the members are adapted to reduce discharges when the electrodes is operated at radio frequencies.

Claim 14 (Original): A gas port assembly according to claim 13, adapted for use with a frequency of about 13.56 MHz.

Claim 15 (Currently Amended): A gas port assembly according to claim ~~1~~24, wherein the power supplied to the electrodes in use is in the range 20 to 5000 Watts.

Claim 16 (Currently Amended): A gas port assembly according to claim ~~1~~24, adapted for use at a gas flow rate in the range 10 to 5000 sccm.

Claim 17 (Currently Amended): A gas port assembly according to claim ~~1~~24, adapted for use with a gas pressure within the chamber in the range 5 to 10000 mTorr.

Claim 18 (Currently Amended): A gas port assembly according to claim ~~12~~4 wherein at least one surface of an end dielectric member within the stack comprises a recess for partially accommodating one of the electrically conductive members so as to reduce fringe electric fields.

Claim 19 (Currently Amended): A gas port assembly according to claim ~~12~~4, further comprising one or each of:

the said one or more electrodes to which the alternating electrical potential is supplied when in use; and,

an insulator for electrically insulating the members of the assembly from the electrodes.

Claim 20 (Original): A gas port assembly according to claim 19 and when comprising an insulator, wherein the insulator and one or more of the dielectric members are formed as an integral unit.

Claim 21 (Previously Presented): A gas port assembly according to claim 19, wherein the assembly further comprises a coupling device such that the assembly can be removably coupled to the chamber.

Claim 22 (Previously Presented): A gas port assembly kit comprising a gas port assembly according to claim 19 and one or more additional electrically conductive and/or dielectric members for selective use with the gas port assembly.

Claim 23 (Cancelled).

Claim 24 (New): Plasma processing apparatus comprising:

a chamber to which one or more gases are introduced when in use, the gases being used to generate a plasma within the chamber;

an RF signal generator for generating an alternating electrical potential;

at least one electrode to which an alternating electrical potential is applied in use so as to generate the plasma;

one or more gas port assemblies for supplying or removing one or more gases to a powered electrode in the plasma processing chamber, the assembly being electrically insulated from the at least one electrodes, the assembly comprising, a number of dielectric members and a number of electrically conductive members, the members being arranged in a stack of alternating dielectric and electrically conductive members, and wherein each member comprises at least one gas pathway for the passage of the gases, such that when stacked the gas pathways are in communication with each other and the gases are able to pass between an outer side of the stack and a chamber side of the stack, the members acting as a capacitive divider to reduce high voltages within the assembly; and

at least one insulator for electrically insulating the one or more gas port assemblies from the electrodes.